

Release 1715
Service Requests 81573
UCRP Deduction Calculation Enhancements

Test Plan

7/28/06

Information Resources & Communications
Office of the President
University of California

BATCH Testing

Testing Overview

This test plan addresses the test runs and cases constructed to verify the correct installation of program modifications identified in the release cover letter.

This test plan is made up of the following components:

1. Load DB2 Tables
2. Run Biweekly ("B1") Compute
3. Run PPI730 Retirement Interface

Load DB2 Tables

Job Run Instructions

1. LOADEDDB. Load the test version of the DB2 EDB using RLSE.UDB2EDB.
2. LOADCTL. Load the test version of the DB2 CTL. This file has been updated with the release supplied updates.

Verification

Output reports (SYSOUT) for all jobs are provided for verification in the REPORTS dataset. Ensure that the above tables have been successfully loaded by verifying normal completion of the jobs and utility highest condition codes.

Run Biweekly (“B1”) Compute

Job Run Instructions

1. RUN250. This job prints selected EDB records and may be used to verify EDB input values prior to the compute process run below.
2. RUNB1. This job runs the B1 (02/11/06 End Date) Compute Process. A PAR listing (PPP440) is among the output provided.

Verification

Output reports (SYSOUT) for all jobs are provided for verification in the REPORTS dataset. It is important to verify all reports especially those involving reconciliation between Job steps. Additionally, sequential files and/or downloaded DB2 tables are available for machine verification where noted in the Instructions.

Additionally, the following sequential files are provided for comparison:

JCL Dataset	Output Program
XPPIB1	PPP340
XPIAB1	PPP350
XCPAB1	PPP380
XCHG39B1	PPP390
XPAR39B1	PPP390
XCOM39B1	PPP390
XPAR40B1	PPP400
XCHG40B1	PPP400
XCHG41B1	PPP410
XFNPARB1	PPP410

Note the employee conditions which are identified after the following BRT rate discussion.

BRT Retirement Rates

Before review of the Employee Test Conditions (section will follow), certain CTL variables must be noted. On the supplied CTL, the Retirement Rates portion of the Benefits Rates Table (BRT) has been updated with “test only” rates for the HX, LX, and K3 units. This may be seen by running PPP004 to list Table 14 or by examining the Retirement Rates portion of Table 14 (i.e., BRT) in REPORTS (BRT). The “default” rates presented as Bargaining Unit “00” reflect the current University UCRP rates. The bargaining unit specific rates represent the following conditions:

- “LX/C” BRT Retirement Rates contain Basic Rates which are larger than the associated DCP Rates (i.e., Basic and DCP deductions and the Regents Reduction are taken)
- “HX/C” BRT Retirement Rates contain DCP Rates of zero (i.e., only Basic and Regents Reduction are taken)
- “K3/C” BRT Retirement Rates contain current University UCRP rates except the Regents Reduction has been set to \$20 rather than \$19.

Employee Test Conditions

Employee ID 000050046

Examine the PPP2501 EDB report for this employee. The Employee Unit Code, EUC (DE0255), is “GS” and the Employee Representation Code, i.e., REP Code (DE0295) is “C”. Also, the Retirement Plan Code (DE0122) is “U” and the FICA Eligibility Code is “E”.

Now examine the PPP4401 PAR report for this employee. The employee received 1,208.80 pay which was applicable to the current month (this is the first pay for the current month).

As per the new BRT search, there are no specific BRT Retirement Rates for EUC/REP Code “GS/C”. Therefore, the UCRP Rates used will be the default rates (Bargaining Unit “00”). Since the employee is eligible for FICA and his YTD Retirement Gross is under the 94,200 FICA maximum, the under limit rates (BRT Line 03 Basic Rate and BRT Line 07 DCP) are used as follows to calculate the Basic and DCP deductions and Regents Reduction.

	EID 000050046 Monthly UCRP Retirement Calculation	Basic Rate = 2% DCP Rate = 2% Rgnts Contrb = \$19 Pay = \$1,208.80
1	Calculate Basic-Ded: Month RTR Gross * Basic Rate	24.18
2	Calculate \$19-Reductn: Lesser of Basic-Ded or \$19	19.00
3	Calculate DCP-Ded: Month RTR Gross * DCP Rate	24.18
4	Adjust Basic-Ded: Basic-Ded – DCP-Ded	0.00
5	Adjust Basic-Ded: Subtract \$19-Reductn from Basic-Ded <i>(hold at zero)</i>	0.00
6	Adjust DCP-Ded: Subtract any remaining \$19-Reductn from DCP-Ded	5.18

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Thus, the Basic Deduction (GTN 005) is zero (not present on PAR), the DCP Deduction is 5.18, and the Regents Reduction is 19.00. Note that the ending Basic Deduction of 0.00 (Step 5) plus the DCP Deduction of 5.18 (Step 6) plus the Regents Reduction of 19.00 (Step 2) equals the amount of the Retirement Gross times the Basic Rate (i.e., Step 1).

Employee ID 000050029

Examine the PPP2501 EDB report for this employee. The individual’s EUC is “LX” and the REP Code is “C”. Also, the Retirement Plan Code is “U” and the FICA Eligibility Code is “E”.

Now examine the PPP4401 PAR report for this employee. The employee received 600.00 late pay (which was the first time being paid for that month) and 600.00 pay for the current month (this is the first pay for the current month).

As per the new BRT search, there **are** specific BRT Retirement Rates for EUC/REP Code “LX/C”. Therefore, these UCRP Rates will be used (rather than the default rates. Since the employee is eligible for FICA and his YTD Retirement Gross is under the 94,200 FICA maximum, the under limit rates (BRT Line 03 Basic Rate and BRT Line 07 DCP) are used as follows to calculate the Basic and DCP deductions and Regents Reduction. Note that the pay for each month is handled separately.

	EID 000050029 Monthly UCRP Retirement Calculation	Basic Rate = 3.33% DCP Rate = 2% Rgnts Contrb = \$19 Pay = \$600 (January)	Basic Rate = 3.33% DCP Rate = 2% Rgnts Contrb = \$19 Pay = \$600 (cur month)
1	Calculate Basic-Ded: Month RTR Gross * Basic Rate	19.98	19.98
2	Calculate \$19-Reductn: Lesser of Basic-Ded or \$19	19.00	19.00
3	Calculate DCP-Ded: Month RTR Gross * DCP Rate	12.00	12.00
4	Adjust Basic-Ded: Basic-Ded – DCP-Ded	7.98	7.98
5	Adjust Basic-Ded: Subtract \$19-Reductn from Basic-Ded <i>(hold at zero)</i>	0.00	0.00
6	Adjust DCP-Ded: Subtract any remaining \$19-Reductn from DCP-Ded	0.98	0.98

Thus, the total Basic Deduction (GTN 005) is zero (not present on PAR), the DCP Deduction is 1.98, and the Regents Reduction is 38.00. Note that for each of the two months, the Basic Deduction (Step 5) plus the DCP Deduction (Step 6) plus the Regents Reduction (Step 2) equals the amount of the Retirement Gross times the Basic Rate (i.e., Step 1).

Employee ID 000050030

Examine the PPP2501 EDB report for this employee. The individual's EUC is "LX" and the REP Code is "C". Also, the Retirement Plan Code is "U" and the FICA Eligibility Code is "E".

Now examine the PPP4401 PAR report for this employee. The employee received only a 600.00 late pay for the prior month (Jan). However, the employee had already been paid earnings of 500.00 for that month as per EDB retirement history (refer to PPP2501, DE5521 & DE5526). which was the first time being paid for that month) and 600.00 pay for the current month (this is the first pay for the current month).

As per the new BRT search, there **are** specific BRT Retirement Rates for EUC/REP Code "LX/C". The under FICA maximum rates (BRT Line 03 Basic Rate and BRT Line 07 DCP) will be used. During this process, the original pay information is retrieved from the EDB retirement history for that month and the Basic and DCP deductions and Regents Reduction are calculated. Subsequently, the newly reported earnings are added to the original earnings and this total of "corrected" earnings is then used to calculate total Basic and DCP and Regents Reduction. As a final step, the "original" amounts (Basic, DCP, and Regents Reduction) are subtracted from the "corrected" amounts in order to create the current Basic, DCP and Regents Reduction for the month.

	EID 000050030 Monthly UCRP Retirement Calculation	Original Basic Rate = 3.33% DCP Rate = 2% Rgnts Contrb = \$19 Pay = \$500	Corrected Original Pay \$500 Plus Late Pay \$600 = \$1100	Final = Corrected Minus Original
1	Calculate Basic-Ded: Month RTR Gross * Basic Rate	16.65	36.63	19.98
2	Calculate \$19-Reductn: Lesser of Basic-Ded or \$19	16.65	19.00	2.35
3	Calculate DCP-Ded: Month RTR Gross * DCP Rate	10.00	22.00	12.00
4	Adjust Basic-Ded: Basic-Ded – DCP-Ded	6.65	14.63	7.98

5	Adjust Basic-Ded: Subtract \$19-Reductn from Basic-Ded <i>(hold at zero)</i>	0.00	0.00	0.00
6	Adjust DCP-Ded: Subtract any remaining \$19-Reductn from DCP-Ded	0.00	17.63	17.63

Thus, the total Basic Deduction (GTN 005) is zero (not present on PAR), the DCP Deduction is 17.63, and the Regents Reduction is 2.35. Note that for this month, the Basic Deduction (Step 5) plus the DCP Deduction (Step 6) plus the Regents Reduction (Step 2) equals the amount of the Retirement Gross times the Basic Rate (i.e., Step 1).

Employee ID 000050034

Examine the PPP2501 EDB report for this employee. The individual's EUC is "LX" and the REP Code is "C". Also, the Retirement Plan Code is "U" and the FICA Eligibility Code is "E".

Now examine the PPP4401 PAR report for this employee. The employee received only a 1,100.00 late pay for the prior month (Jan) which was the first time the employee had been paid for this month. Note that with the entered Dollar Adjustment for YTD Retirement Gross, the total is exactly 100.00 less than the FICA maximum of 94,200. Thus, for the 1100.00 payment, 100.00 is under the maximum and 1000 is over the maximum.

As per the new BRT search, there **are** specific BRT Retirement Rates for EUC/REP Code "LX/C". The under FICA maximum rates (BRT Line 03 Basic Rate and BRT Line 07 DCP) will be used for the 1st 100.00 and the over FICA rates (BRT Line 02 Basic Rate and BRT Line 06 DCP) will be used for the final 1000.00. The **Basic and DCP deductions and Regents Reduction** are calculated as follows.

	EID 000050034 Monthly UCRP Retirement Calculation	Over FICA Basic Rate = 5% DCP Rate = 4% Rgnts Contrb = \$19 Pay = \$1000.00	Under FICA Basic Basic Rate = 3.33% DCP Rate = 2% Rgnts Contrb = \$19 Pay = 100.00	Total
1	Calculate Basic-Ded: Month RTR Gross * Basic Rate	50.00	3.33	53.33
2	Calculate \$19-Reductn: Lesser of Basic-Ded or \$19			19.00
3	Calculate DCP-Ded: Month RTR Gross * DCP Rate	40.00	2.00	42.00
4	Adjust Basic-Ded: Basic-Ded – DCP-Ded	10.00	1.33	11.33
5	Adjust Basic-Ded: Subtract \$19-Reductn from Basic-Ded <i>(hold at zero)</i>			0.00
6	Adjust DCP-Ded: Subtract any remaining \$19-Reductn from DCP-Ded			34.33

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Thus, the total Basic Deduction (GTN 005) is zero (not present on PAR), the DCP Deduction is 34.33, and the Regents Reduction is 19.00. Note that for this month, the Basic Deduction (Step 5) plus the DCP Deduction (Step 6) plus the Regents Reduction (Step 2) equals the amount of the

Retirement Gross times the Basic Rate (i.e., Step 1) for each portion (i.e., the under portion and the over portion).

Run PPI730 Retirement Interface

Job Run Instructions

1. RUNI730. This job runs PPI730 to create the retirement interface files for UCRS and PERS. The B1 Cycle PAR created in the prior step is input to this process.

Verification

Output reports (SYSOUT) for the job is provided for verification in the REPORTS dataset. It is important to verify all reports especially those involving reconciliation between Job steps. Additionally, sequential files and/or downloaded DB2 tables are available for machine verification where noted in the Instructions.

Additionally, the following sequential files are provided for comparison:

JCL Dataset	Output Program
PERS	PPI730
UCRS	PPI730

ONLINE Testing

Test materials are not supplied for online testing of the Rush Check process. However, the supplied EDB and CTL tables may be used to individually replicate the employee conditions contained in the above Batch test. Note that for Rush Checks, “current” retire process month is identified by the actual current date of the Rush Check test. That is, if you enter the Rush Check in August, August is the current month and July is the prior month and will be matched to the prior month EDB retirement history.

If a current campus CTL and EDB are used for testing purposes (with very few possible exceptions), a “before” and “after” test may be made with the same results.